c. Amendments to Claims

1-7. (Cancelled)

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- 8. (Currently amended) A process for making a structure, comprising:

 providing a solid body of comprising MgB₂;

 ejecting MgB₂ from the body by directing laser light onto the body; and

 growing an MgB₂ layer on a surface of a substrate with from a portion of the

 ejected MgB₂.
- 9. (Original) The process of claim 8, wherein the substrate and MgB₂ have lattice constants along the surface that match to at least 10 percent.
 - 10. (Original) The process of claim 8, further comprising forming the solid body by sintering MgB₂.
 - 11. (Original) The process of claim 8, wherein the ejecting includes directing light from a pulsed laser onto the body.
- 12. (Currently Amended) The process of claim 8, wherein the substrate comprises one of SiC, LaAlO₃, SiO₂₇ SrTiO₃, and sapphire.
 - 13. (Original) The process of claim 8, wherein the ejecting and growing are performed in a vacuum chamber that is maintained at a pressure of less than about 10⁻² Torr.
 - 14. (Currently amended) The process of claim $\frac{14}{8}$, wherein the ejecting and growing are performed in a vacuum chamber that is maintained at a pressure of greater than about 10^{-6} Torr.
- 30 15. (Original) The process of claim 13, wherein the growing produces a crystalline or polycrystalline layer of MgB₂ whose thickness is at least 10 nm.

- 16. (New) The process of claim 8, wherein the solid body is a solid body of MgB_2 .
- 17. (New) The process of claim 8, wherein the MgB₂ layer is grown from a portion of the ejected MgB₂.
 - 18. (New) The process of claim 17, wherein the solid body is a solid body of MgB_2 .